crb_streams_24k.shp data dictionary

This shapefile includes attributes estimated at the 200m reach scale for Columbia basin rivers. The dataset was built using the 1:24k USA NHD High Resolution and the 1:20k Canadian Freshwater Atlas stream networks. This dataset has been reduced from the original NHD and FWA to a single threaded network with ditches and canals eliminated except where necessary to maintain connectivity. The minimum stream size included has roughly a 10,000 m^2 upstream drainage area.

Field Name	Description	Units
GNIS_Name	Stream name	
strm_order	Strahler stream order	
BranchID	Stream ID (only unique within HUC6 basin)	
ReachID	Stream Segment ID (only unique within HUC6 basin)	
reach_leng	Length of reach	meters
UniqueID	Unique identifier	
HUC6_code	Level 6 hydrologic unit code	
HUC6_name	Level 6 hydrologic unit name	
HUC8_code	Level 8 hydrologic unit code	
HydroID	ID used for ArcHydro tools	
From_Node	Upstream node ID	
To_Node	Downstream node ID	
NextDownID	ID of next segment downstream	
start_elev	Elevation of upstream endpoint	meters
end_elev	Elevation of downstream endpoint	meters
elev_diff	Difference between start_elev and end_elev	meters
slope	Stream gradient	percent
rel_slope	Relative slope. Reach slope minus upstream slope	
sinuosity	Reach sinuosity. 1=Straight, 1< sinuous	
WB_FCode	Waterbody code. If a code is listed then reach falls on waterbody (0= not waterbody). USA codes refer to NHD waterbody FCode classes.	

	Canada waterbodies are all classified as a single generic class (39000)	
ecoregion	USDA Level III Ecoregion	
regime	Flow regime. 1= mixed, 2=snow dominated, 3=rain dominated.	
flow_accum	Number of upstream DEM cells flowing into reach	
fines_accum	Number of upstream cells in fine grain lithologies	
alp_accum	Number of upstream cells in alpine terrain	
grav_accum	Number of upstream cells in gravel producing lithologies	
p_accum	Number of upstream cells weighted by average annual precipitation.	
fp_cur	Currentunmodified floodplain width	meters
fp_Rest1	Floodplain width with small roads restored	meters
fp_Rest2	Floodplain width with roads and rangeland restored	meters
fp_Rest3	Floodplain width with roads, rangeland, and cropland restored	meters
fp_his	Floodplain width with all anthropogenic land classes restored (historic floodplain width)	meters
confluence	1= tributary junction along reach, 0=no incoming tributary	
conf_order	Stream order of incoming tributary	
BRAIDNODES	Number of braid start or end points joining reach	